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February 23, 2022

Attn: Lisa Worrall, Project Manager California Energy Commission 715 P Street Sacramento, California 95814 E-Mail: lisa.worrall@energy.ca.gov

Subject: San José Data Center (19-SPPE-04) Response to Bay Area Air Quality Management District's Comments on Draft Environmental Impact Report

Dear Ms. Worrall:

On behalf of the Microsoft Corporation, the Applicant for the proposed San José Data Center Project (Project), we are providing the enclosed comments in response to the Bay Area Air Quality Management District's (BAAQMD) comments on the California Energy Commission's Draft Environmental Impact Report (DEIR).

If you have any questions on this comment letter, please contact me at (916) 769-8919.

Sincerely,

Jens Salans

Jerry Salamy Project Manager

Enclosure: Applicant Responses to the BAAQMD's Comments on Draft EIR

Responses to the Bay Area Air Quality Management District's Comments on Draft San José Data Center EIR

The Bay Area Air Quality Management District (BAAQMD) provided comments on the San José Data Center (SJC) Draft EIR (DEIR). Specifically, the BAAQMD mistakenly states that the California Public Utility Commission (CPUC) has prohibited the use of the natural gas generators from participating in load shedding and/or demand response programs implemented by Pacific Gas & Electric Company (PG&E) through its Base Interruptible Program (BIP). BAAQMD cites to CPUC Decision 16-09-056. The BAAQMD fails to recognize that the CPUC modified Decision 16-09-056 on June 21, 2018, with Resolution E-4906 to allow the use of the natural gas generators using renewable fuels as specified in the DEIR. Specifically, E-4096 modifies the prohibition of Decision 16-09-056. In the Findings of Resolution E-4906 at paragraph 102 is the operative text:

102. If a fuel has received renewable certification from the California Air Resources Board, it is exempt from the prohibited resource policy in D.16-09-056.

In addition, the BAAQMD states "However, staff is concerned that the DEIR's finding of less than significant hinges on future, ongoing procurement of renewable fuels with insufficient assurances that this measure will be enforced." As noted in the Applicant's comments on the DEIR, it has accepted Staff's mitigation measures requiring it purchase renewable natural gas (RNG) to be injected into the PG&E system for the total energy use of the natural gas generators for the SJC project and requiring the Applicant to use renewable diesel for the two administrative generators. The natural gas generator supplier, Enchanted Rock, confirms that significant new supplies of RNG from 158 specific projects are planned or under construction due to the state's decade long leadership in low carbon fuel standards. Enchanted Rock has also confirmed with their preferred RNG supplier that they can provide the volume RNG identified for this project, to cover up to 509 hours of annual generator operating time for up to 99 megawatts, starting in 2024.

Additionally, Table 1 presents current/proposed RNG projects provided by the RNG Coalition. The highlights of Table 1 are presented below and reinforce the significant growth in the RNG supply industry based on current market incentives and conditions. Anecdotally, developers are more established, projects are bigger, and supply will expand rapidly from these identified projects.

- 135 existing organic waste biomethane facilities
- Two-thirds are in Western Electricity Coordinating Council (WECC) region
- Known projects planned or under construction will grow the market by 117 percent
- Three-quarters of growth will be in WECC region

Finally, to drive further supply growth, California's legislative and regulatory track record supporting organic waste capture, biomethane development, and use is extensive. As a result, RNG as a renewable fuel is expected to be a core part of the state's strategy to decarbonize the energy sector. Below is a sampling of relevant legislative and regulatory activities in California in support of biomethane development.

Legislative Activities:

- 2006 AB32 Allows the CARB to implement mechanisms to achieve greenhouse gas emissions reductions. The CARB implemented the Low Carbon Fuel Standard in 2011 and has taken steps to ensure a robust program over the years, driving significant RNG supply development.
- 2012 AB1900 Requires the PUC to adopt policies and programs to promote in-state production and distribution of biomethane.
- 2015 SB350 Sets out state's goal to increase the procurement of electricity from renewable sources. California's Renewable Portfolio Standard includes biomethane as an eligible energy source.
- 2016 SB1383 Sets out emissions reductions goals for methane and other short-lived climate pollutants and requires state agencies to consider and adopt policies and incentives to significantly increase the sustainable production and use of RNG. Importantly, effective January 2022, every jurisdiction in California is required to provide separate organic waste collection. The expected increase in feedstock will promote even more RNG development. The state's CalRecycle guidance states that "[j]urisdictions can select from a variety of organic waste collection services to match their unique communities and local infrastructure, while producing clean streams of organic feedstock that can be recycled into high-quality, marketable recycled products, including compost, renewable natural gas, electricity, and paper."
- 2018 SB1440 Requires the CPUC to adopt biomethane procurement targets for the gas utilities.
- 2020 AB3163 Expands the definition of RNG to include energy from additional forms of organic waste, including vegetation removed for wildfire mitigation, agricultural residues, and other sources.

Regulatory Activities:

Under CPUC Decisions 15-06-029, the biomethane incentive program provides an incentive covering up to 50 percent of an RNG project's interconnection costs, with a cap of up to \$1.5 million per project. The program is capped at \$40 million statewide. In 2016, AB2313 increased caps for incentive funding. The program still has \$10.5 million in incentive funding remaining with nearly \$50 million in requested incentives in the queue.

Under Decision 17-12-004, the CPUC established a framework for the gas utilities to implement dairy biomethane pilot projects. The program has funded several methane collection projects, including PG&E's first biomethane facility which went operational in December of 2021.

Under CPUC Decision 20-12-022, SCG and SDGE may implement voluntary RNG tariff pilot programs to offer RNG to their residential and commercial/industrial customers.

Under Decision 20-12-031, the CPUC approved a standard biomethane interconnection tariff and operating agreement for use by the utilities.

The CPUC issued a proposed decision in January 2022 to implement a biomethane procurement program under SB1440.

These data points strongly support that there is and will be an ample amount of RNG supply required to satisfy the goals of this project, future data center projects, and the legislative and regulatory intent of the State of California.

Feedstock(s)	RNG Project Name	City	Pipeline Injected	End Use	Status
Tecustoek(3)			injecteu		
Ag Waste	4K Dairy (Calgren Cluster)	Pixley	Yes	Transportation Fuel	Operational
Ag Waste	Ackerman Dairy (Aemetis Cluster)	Stanislaus County	Yes	Transportation Fuel	Operational
Ag Waste	Circle A Dairy (Calgren Cluster)	Pixley	Yes	Transportation Fuel	Operational
Ag Waste	Cornerstone (Calgren Cluster)	Tipton	Yes	Transportation Fuel	Operational
Ag Waste	Double D RNG (Aemetis Cluster)	Ceres	Yes	Transportation Fuel	Operational
Ag Waste	Hamstra Dairy RNG (West Vasalia Cluster)	Tulare	Yes	Transportation Fuel	Operational
Ag Waste	K&M Visser Dairy RNG (Calgren Cluster)	Pixley	Yes	Transportation Fuel	Operational
Ag Waste	Legacy Ranch (Calgren Cluster)	Pixley	Yes	Transportation Fuel	Operational
Ag Waste	Little Rock (Calgren Cluster)	Tipton	Yes	Transportation Fuel	Operational
Ag Waste	Lone Oak 1 Dairy RNG (Lakeside Cluster)	Hanford	Yes	Transportation Fuel	Operational
Ag Waste	Pixley Dairy RNG (Calgren Cluster)	Pixley	Yes	Transportation Fuel	Operational
Ag Waste	R Vander Eyk Dairy RNG (Calgren Cluster)	Pixley	Yes	Transportation Fuel	Operational
Ag Waste	Riverview Dairy (Calgren Cluster)	Pixley	Yes	Transportation Fuel	Operational
Ag Waste	Sousa and Sousa (Calgren Cluster)	Tipton	Yes	Transportation Fuel	Operational
Ag Waste	Vander Poel Dairy (Calgren Cluster)	Pixley	Yes	Transportation Fuel	Operational
Ag Waste	Hoogendam Dairy RNG (Merced Cluster)	Chowchilla	Yes	Transportation Fuel	Under Construction

Feedstock(s)	RNG Project Name	City	Pipeline Injected	End Use	Status
recustoer(s)		city	injected		Under
	Double Diamond Dairy				Construction -
Ag Waste	RNG (Merced Cluster)	El Nido	Yes	Transportation Fuel	2021
Ag Waste	RNG (Merced Cluster)	ELINIUO	Tes		
					Under
A = \A/= a+a	Casta Misur Daim	Encore	Vee	Transmentation Fuel	Construction -
Ag Waste	Costa View Dairy	Fresno	Yes	Transportation Fuel	2021
					Under
		_			Construction -
Ag Waste	Cow Palace Dairy	Fresno	Yes	Transportation Fuel	2021
					Under
		_			Construction -
Ag Waste	Soares Dairy	Fresno	Yes	Transportation Fuel	2021
	Dixie Creek RNG				Under
Ag Waste	(Lakeside Cluster)	Hanford	Yes	Transportation Fuel	Construction
					Under
	High Roller Dairy RNG				Construction -
Ag Waste	(Lakeside Cluster)	Hanford	Yes	Transportation Fuel	2021
15 Waste		Hamora			Under
	Poplar Lane Dairy RNG				Construction -
Ag Waste	(Lakeside Cluster)	Hanford	Yes	Transportation Fuel	2021
		Thanford			2021
	River Ranch Dairy				
Ag Waste	(Lakeside Cluster)	Hanford	Yes	Transportation Fuel	Operational
	Double L Dairy RNG				Under
Ag Waste	(Lakeside Cluster)	Merced	Yes	Transportation Fuel	Construction
ng waste		Wierceu	103		construction
	Five H Farms RNG				Under
Ag Waste	(Merced Cluster)	Merced	Yes	Transportation Fuel	Construction
					Under
Ag Waste	Homen Dairy RNG	Merced	Yes	Transportation Fuel	Construction
	Meirinho Holsteins Dairy				Under
Ag Waste	RNG (Merced Cluster)	Merced	Yes	Transportation Fuel	Construction
					Under
	Melo Dairy RNG (Merced				Construction -
Ag Waste	Cluster)	Merced	Yes	Transportation Fuel	2021
	Red Rock Dairy RNG				Under
Ag Waste	(Merced Cluster)	Merced	Yes	Transportation Fuel	Construction
-					
	Rockshar (Merced			_	Under
Ag Waste	Cluster)	Merced	Yes	Transportation Fuel	Construction
	Vander Wounde (Merced				Under
Ag Waste	Cluster)	Merced	Yes	Transportation Fuel	Construction
	Vista Verde (Merced				Under
Ag Waste	Cluster)	Merced	Yes	Transportation Fuel	Construction

Table 1 Current and Planned California Renewable Natural Gas Projects

Foodstock(s)	RNG Project Name	City	Pipeline Injected	End Use	Status
Feedstock(s)		City	mjected		Under
Ag Waste	Visser (Calgren Cluster)	Pixley	Yes	Transportation Fuel	Construction
Ag Waste	Williams (Calgren Cluster)	Pixley	Yes	Transportation Fuel	Under Construction
Ag Waste	Avalon Dairy RNG	Pond	Yes	Transportation Fuel	Under Construction
Ag Waste	Fern Oaks Dairy RNG (Calgren Cluster)	Portersville	Yes	Transportation Fuel	Under Construction - 2021
Ag Waste	Van Der Kooi Dairy RNG (Five Points Cluster)	Riverdale	Yes	Transportation Fuel	Under Construction - 2021
Ag Waste	Vander Ham Dairy RNG (Lakeside Cluster)	Riverdale	Yes	Transportation Fuel	Under Construction - 2021
Ag Waste	Hettinga Farms RNG (Calgren Cluster)	Tipton	Yes	Transportation Fuel	Under Construction - 2021
Ag Waste	Schott Dairy RNG (Calgren Cluster)	Tipton	Yes	Transportation Fuel	Under Construction - 2021
Ag Waste	Simoes Centralized Digester RNG (Calgren Cluster)	Tipton	Yes	Transportation Fuel	Under Construction - 2021
Ag Waste	De Boer Dairy RNG (Calgren Cluster)	Tulare	Yes	Transportation Fuel	Under Construction - 2021
Ag Waste	Blue Moon Dairy RNG (Calgren Cluster)	Tipton	Yes	Transportation Fuel	Planned
Ag Waste	Lakeshore Dairy RNG (Lakeside Cluster)	Stratford	Yes	Transportation Fuel	Planned
Food Waste / SSO	Rialto Bioenergy Facility	Rialto	Yes	Thermal, Electricity	Operational
Food Waste / SSO	Perris Transfer Station and MRF	Perris	Yes	Transportation Fuel	Operational
Ag Waste	Lakeside Energy Digester RNG (Lakeside Cluster)	Hanford	Planned	Transportation Fuel	Under Construction - 2021
Ag Waste	Vander Hoek Dairy RNG (Five Points Cluster)	Helm	Planned	Transportation Fuel	Under Construction - 2021

Table 1 Current and Planned California Renewable Natural Gas Projects

			Pipeline		
Feedstock(s)	RNG Project Name	City	Injected	End Use	Status
					Under
Ag Waste	Northstar Dairy RNG (Calgren Cluster)	Tipton	Planned	Transportation Fuel	Construction - 2021
Ag Waste	(Calgren Cluster)	Πρισπ	Plaimeu		2021
	Decade Centralized Dairy				
	, Digester (Lakeside				Under
Ag Waste	Cluster)	Tulare	Planned	Transportation Fuel	Construction
	Clearlake Dairy RNG				
Ag Waste	(Lakeside Cluster)	Tulare	Planned	Transportation Fuel	Planned
Ag Wuste		Tulure	Thanned		Thannea
	De Jager Dairy RNG	Merced			
Ag Waste	(Merced Cluster)	County	Planned	Unknown	Planned
Ag Waste	Hilarides Dairy Digester	Lindsay	Planned	Transportation Fuel	Planned
	Jer Z Boyz Ranch RNG				
Ag Waste	(Calgren Cluster)	Tipton	Planned	Transportation Fuel	Planned
		lipton	Thanned		
	Lone Oak 2 RNG (Five	Fresno			
Ag Waste	Points Cluster)	County	Planned	Transportation Fuel	Planned
	Richard Westra RNG				
Ag Waste	(Lakeside Cluster)	Tulare	Planned	Transportation Fuel	Planned
	Wilson Dainy DNC (Five				
Ag Waste	Wilson Dairy RNG (Five Points Cluster)	Riverdale	Planned	Transportation Fuel	Planned - 2023
Ag Wuste		Riveradie	Tidiffied		
	Lancaster Organic Waste				
Food Waste /	Conversion Facility (Low-				
SSO	C)	Lancaster	Planned	Transportation Fuel	Planned
	ABEC Lakeview Farms				
Ag Waste	Dairy Digester	Bakersfield	Unknown	Transportation Fuel	Operational
0					
	Aukeman Dairy (South	- -		e .	
Ag Waste	Tulare Cluster)	Tulare	Unknown	Transportation Fuel	Operational
	Belonave Dairy RNG				
Ag Waste	(Kern Cluster)	Bakersfield	Unknown	Transportation Fuel	Operational
	Bos Farms Dairy (South				
Ag Waste	Tulare Cluster)	Tulare	Unknown	Transportation Fuel	Operational
Ag Waste	BV Dairy (Kern Cluster)	Bakersfield	Unknown	Transportation Fuel	Operational
ng waste	by Daily (Kelli Cluster)	Dakeisileiü	UTKITOWIT		Operational
	Cloverdale Dairy				
Ag Waste	(Hanford Cluster)	Hanford	Unknown	Transportation Fuel	Operational
	Dykstra Dairy RNG (South				
Ag Waste	Tulare Cluster)	Tulare	Unknown	Transportation Fuel	Operational

Table 1 Current and Planned California Renewable Natural Gas Projects

Feedstock(s)	RNG Project Name	City	Pipeline Injected	End Use	Status
Ag Waste	El Monte Dairy RNG (South Tulare Cluster)	Tipton	Unknown	Transportation Fuel	Operational
Ag Waste	Maple Diary (Kern Cluster)	Bakersfield	Unknown	Transportation Fuel	Operational
Ag Waste	Moonlight Dairy RNG (West Visalia Cluster)	Visalia	Unknown	Transportation Fuel	Operational
Ag Waste	Rancho Teresita Dairy RNG (South Tulare Cluster)	Tulare	Unknown	Transportation Fuel	Operational
Ag Waste	Riverbend Dairy RNG (South Tulare Cluster)	Tulare	Unknown	Transportation Fuel	Operational
Ag Waste	S&S Dairy RNG (West Visalia Cluster)	Visalia	Unknown	Transportation Fuel	Operational
Ag Waste	Scheenstra Dairy RNG (South Tulare Cluster)	South Tulare	Unknown	Transportation Fuel	Operational
Ag Waste	T&W Dairy (Kern Cluster)	Bakersfield	Unknown	Transportation Fuel	Operational
Ag Waste	Trilogy Dairy (Kern Cluster)	Bakersfield	Unknown	Transportation Fuel	Operational
Ag Waste	Udder Dairy (West Visalia Cluster)	Visalia	Unknown	Transportation Fuel	Operational
Ag Waste	Valadao Dairy RNG (Hanford Cluster)	Hanford	Unknown	Transportation Fuel	Operational
Ag Waste	McMoo Farms Dairy Biogas (Kern Cluster)	Bakersfield	Unknown	Transportation Fuel	Under Construction - 2021
Ag Waste	Newhouse Dairy Biogas (Kern Cluster)	Bakersfield	Unknown	Transportation Fuel	Under Construction - 2021
Ag Waste	Albert Goyenetche Dairy RNG (Buttonwillow Cluster)	Buttonwillo w	Unknown	Transportation Fuel	Under Construction - 2021
Ag Waste	Maya Dairy RNG (Buttonwillow Cluster)	Buttonwillo w	Unknown	Transportation Fuel	Under Construction - 2021
Ag Waste	Skyview Dairy RNG (Calgren Cluster)	Shafter	Unknown	Transportation Fuel	Under Construction - 2021

Table 1 Current and Planned California Renewable Natural Gas Projects

			Pipeline		
Feedstock(s)	RNG Project Name	City	Injected	End Use	Status
	Couthour Cross Dains				Under
	Southern Cross Dairy	.			Construction -
	RNG (Buttonwillow	Buttonwillo			2021
Ag Waste	Cluster)	W	Unknown	Transportation Fuel	
					Under
	Elkhorn Dairy RNG (North				Construction -
Ag Waste	Visalia Cluster)	Dinuba	Unknown	Transportation Fuel	2021
					Under
					Construction -
Ag Waste	Flint Dairy RNG	Hanford	Unknown	Transportation Fuel	2021
	Hollandia Farms Dairy				Under
Ag Waste	(Hanford Cluster)	Hanford	Unknown	Transportation Fuel	Construction
	Wreden Ranch Dairy RNG				Under
Ag Waste	(Hanford Cluster)	Hanford	Unknown	Transportation Fuel	Construction
No Waste		Hamora			Under
	Ahlem Farms Dairy RNG				Construction -
A a \A/acta	1	Hilmar	Unknown	Transportation Fuel	
Ag Waste	(Hilmar Cluster)	Himar	Unknown	Transportation Fuel	2021
	Charles Ahlem Ranch				Under
	Dairy RNG (Hilmar				Construction -
Ag Waste	Cluster)	Hilmar	Unknown	Transportation Fuel	2021
Ag Waste	Cluster)	Піппаі	UTIKITOWIT		
					Under
	Clauss and Sunwest Dairy				Construction -
Ag Waste	RNG (Hilmar Cluster)	Hilmar	Unknown	Transportation Fuel	2021
ng Waste		Thirta	OHKHOWH		Under
	James Ablem Dainy BNC	Hilmar	Unknown	Transportation Fuel	Construction -
Ag Waste	James Ahlem Dairy RNG	niiindi	Unknown	Transportation Fuel	2021
					Under
A = \A/= -!	Nyman Brothers Dairy	1111	t ha har i	Tananantation	Construction -
Ag Waste	RNG (Hilmar Cluster)	Hilmar	Unknown	Transportation Fuel	2021
					Under
	Yosemite Jersey Dairy				Construction -
Ag Waste	RNG (Hilmar Cluster)	Hilmar	Unknown	Transportation Fuel	2021
					Under
					Construction -
Ag Waste	Bar 20 Dairy RNG	Kerman	Unknown	Electricity	2021
	DI South Daime DNC				Under
	DJ South Dairy RNG	Moracd	Linknesser	Transportation First	
Ag Waste	(Merced Cluster)	Merced	Unknown	Transportation Fuel	Construction
	Daindand Farme Daine				Under
	Dairyland Farms Dairy				Construction -
A = \ \ / = = + -	RNG (South Tulare	Tinter	Linkasuur	Transmort the Fig. 1	2021
Ag Waste	Cluster)	Tipton	Unknown	Transportation Fuel	

Table 1 Current and Planned California Renewable Natural Gas Projects

Feedstock(s)	RNG Project Name	City	Pipeline Injected	End Use	Status
reeusiock(s)	RNG Project Name	City	injecteu	End Ose	Status
	Horizon Jersey RNG				Under
Ag Waste	(South Tulare Cluster)	Tipton	Unknown	Transportation Fuel	Construction
					Under
	Curtimade Dairy RNG				Construction -
Ag Waste	(South Tulare Cluster)	Tulare	Unknown	Transportation Fuel	2021
					Under
	Elk Creek Dairy RNG				Construction -
Ag Waste	(South Tulare Cluster)	Tulare	Unknown	Transportation Fuel	2021
					Under
	Friesian Farms Dairy RNG				Construction -
Ag Waste	(South Tulare Cluster)	Tulare	Unknown	Transportation Fuel	2021
					Under
	Gerben Leyendekker				Construction -
	Dairy RNG (North Visalia				2021
Ag Waste	Cluster)	Tulare	Unknown	Transportation Fuel	
					Under
	Rib-Arrow Dairy Biogas				Construction -
Ag Waste	(South Tulare Cluster)	Tulare	Unknown	Transportation Fuel	2021
					Under
	Ribeiro Dairy Biogas				Construction -
Ag Waste	(South Tulare Cluster)	Tulare	Unknown	Transportation Fuel	2021
					Under
	Rio Blanco Dairy RNG				Construction -
Ag Waste	(South Tulare Cluster)	Tulare	Unknown	Transportation Fuel	2021
	Art Leyendekker Dairy				Under
	RNG (North Visalia				Construction -
Ag Waste	Cluster)	Visailia	Unknown	Transportation Fuel	2021
Ag Waste	Clustery	visailia	OTINIOWI	Transportation ruer	Under
	GP Dairy RNG (North				Construction -
Ag Waste	Visalia Cluster)	Visailia	Unknown	Transportation Fuel	2021
No Waste		visania	Onknown		2021
	Double J RNG (North				Under
Ag Waste	Visalia Cluster)	Visalia	Unknown	Transportation Fuel	Construction
					1
	Jacobus De Groot #2 RNG	\ <i></i>		<u>-</u> .	Under
Ag Waste	(North Visalia Cluster)	Visalia	Unknown	Transportation Fuel	Construction
	Mellema Diary RNG				Under
Ag Waste	(North Visalia Cluster)	Visalia	Unknown	Transportation Fuel	Construction
5					
	Mineral King Dairy RNG				Under
Ag Waste	(North Visalia Cluster)	Visalia	Unknown	Transportation Fuel	Construction
	Rancho Sierra Vista				Under
Ag Waste	(North Visalia Cluster)	Visalia	Unknown	Transportation Fuel	Construction

Table 1 Current and Planned California Renewable Natural Gas Projects

			Pipeline			
Feedstock(s)	RNG Project Name	City	Injected	End Use	Status	
	Rob Van Grouw Dairy					
	RNG (North Vasalia				Under	
Ag Waste	Cluster)	Visalia	Unknown	Transportation Fuel	Construction	
					Under	
Ag Waste	Western Sky	Bakersfield	Unknown	Transportation Fuel	Construction	
	Ahlem Farms Dairy RNG					
Ag Waste	(Merced Cluster)	Denair	Unknown	Transportation Fuel	Planned - 2023	
	Ahlem Farms Jerseys					
	AAFK Central Dairy					
	Digester (Aemetis Central	Crows				
Ag Waste	Cluster)	Landing	Unknown	Transportation Fuel	Planned - 2023	
	Albert Mendes Dairy					
	AAFK Central Dairy					
	Digester (Aemetis Central	Crows				
Ag Waste	Cluster)	Landing	Unknown	Transportation Fuel	Planned - 2023	
Ag Waste	Boschma Dairy RNG	Wasco	Unknown	Transportation Fuel	Planned - 2023	
Ag Waste	JDS Ranch Digester RNG	Wasco	Unknown	Transportation Fuel	Planned - 2023	
	Kern Dairy Cluster					
	Biomethane Upgrading					
Ag Waste	Facility	Bakersfield	Unknown	Transportation Fuel	Planned	
	Oliveira Dairy AAFK					
	Central Dairy Digester					
Ag Waste	(Aemetis Central Cluster)	Hilmar	Unknown	Transportation Fuel	Planned - 2023	
Ag Waste	Poso Creek Dairy RNG	Wasco	Unknown	Transportation Fuel	Planned - 2023	
	S&S Dairy AAFK Central					
	Dairy Digester (Aemetis					
Ag Waste	Central Cluster)	Ceres	Unknown	Transportation Fuel	Planned - 2023	
	Trinkler Dairy AAFK					
	Central Dairy Digester					
Ag Waste	(Aemetis Central Cluster)	Ceres	Unknown	Transportation Fuel	Planned - 2023	
	Westside Dairy RNG					
Ag Waste	(Buttonwillow Cluster)	Wasco	Unknown	Transportation Fuel	Planned	
	Wickstrom Jersery Farms AAFK Central Dairy					
	Digester (Aemetis Central					
Ag Waste	Cluster)	Hilmar	Unknown	Transportation Fuel	Planned - 2023	

Feedstock(s)	RNG Project Name	City	Pipeline Injected	End Use	Status
Food Waste / SSO	Escondido Disposal RNG	Escondido	Unknown	Transportation Fuel	Operational
Food Waste / SSO	Kern County Organics Renewable Energy Facility	Mojave	Unknown	Transportation Fuel and/or Thermal	Planned - 2025
Ag Waste	FM Jerseys RNG (Calgren Cluster)	Tipton	Virtual	Transportation Fuel	Operational
Food Waste / SSO	Blue Line Biogenic CNG Facility	South San Francisco	No	Transportation Fuel	Operational
Food Waste / SSO	Northstate Rendering Anaerobic Digester	Oroville	No	Transportation Fuel	Operational
Food Waste / SSO	Sacramento BioDigester	Sacrament o	No	Transportation Fuel	Operational
Ag Waste	Red Top Dairy	Madera	Not Planned	Transportation Fuel	Under Construction
Food Waste / SSO	LA County	Carson	Not Planned	Transportation Fuel	Planned
Food Waste / SSO	Las Gallinas Valley	San Rafael	Not Planned	Transportation Fuel	Planned

Table 1 Current and Planned California Renewable Natural Gas Projects